



# CONSTRUCTION EQUIPMENT

## VOLVO A25G 742 178 - HYDRAULIC SYSTEM



**Sample No:** VCP0008167  
**Oil Type:** VOLVO SUPER HYDRAULIC OIL 46  
**Job No:**



### SAMPLE INFORMATION

Sample Number	<b>VCP0008167</b>	VCP317344	VCP296379	---
Sample Date	<b>05 Apr 2024</b>	08 Jul 2021	14 Nov 2020	---
Machine Hours	<b>0</b>	2334	1114	---
Oil Hours	<b>0</b>	0	1114	---
Oil Changed	<b>N/A</b>	Not Changd	Not Changd	---
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	---

**ALTA EQUIPMENT COMPANY**  
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### OIL CONDITION

Visc @ 40°C	cSt	<b>45.9</b>	47.7	47.8	---
Acid Number (AN)	mg KOH/g	<b>0.41</b>	0.408	0.422	---



### CONTAMINATION

Water	%	<b>NEG</b>	NEG	NEG	---
Particles >4µm		<b>5344</b>	3588	5772	---
Particles >6µm		<b>1329</b>	223	1682	---
Particles >14µm		<b>97</b>	5	130	---
ISO 4406:1999 (c)		<b>20/18/14</b>	19/15/10	20/18/14	---
Silicon	ppm	<b>4</b>	4	2	---
Sodium	ppm	<b>2</b>	2	0	---
Potassium	ppm	<b>0</b>	0	0	---

### Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.



### WEAR METALS

Iron	ppm	<b>5</b>	5	3	---
Copper	ppm	<b>4</b>	7	6	---
Lead	ppm	<b>2</b>	4	3	---
Tin	ppm	<b>&lt;1</b>	<1	<1	---
Aluminum	ppm	<b>1</b>	0	0	---
Chromium	ppm	<b>0</b>	<1	<1	---
Molybdenum	ppm	<b>&lt;1</b>	<1	<1	---
Nickel	ppm	<b>0</b>	<1	0	---
Titanium	ppm	<b>&lt;1</b>	0	0	---
Silver	ppm	<b>0</b>	<1	<1	---
Manganese	ppm	<b>&lt;1</b>	<1	<1	---
Vanadium	ppm	<b>&lt;1</b>	0	0	---



### ADDITIVES

Calcium	ppm	<b>111</b>	62	87	---
Magnesium	ppm	<b>4</b>	1	2	---
Zinc	ppm	<b>433</b>	418	461	---
Phosphorus	ppm	<b>343</b>	326	356	---
Barium	ppm	<b>0</b>	0	0	---
Boron	ppm	<b>0</b>	3	<1	---

**Depot:** VOLVO0092  
**Unique No:** 10967789  
**Signed:** Wes Davis  
**Report Date:** 10 Apr 2024

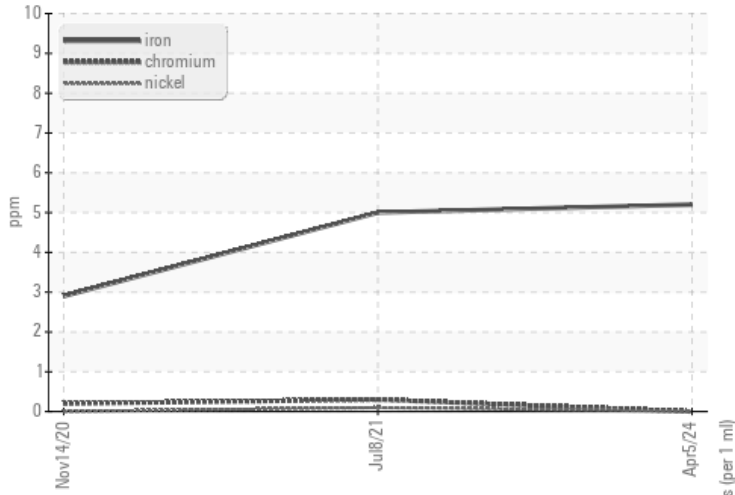


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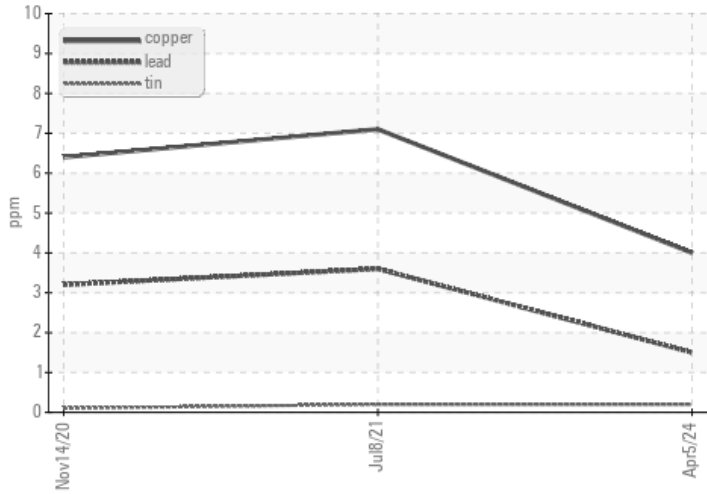


## GRAPHS

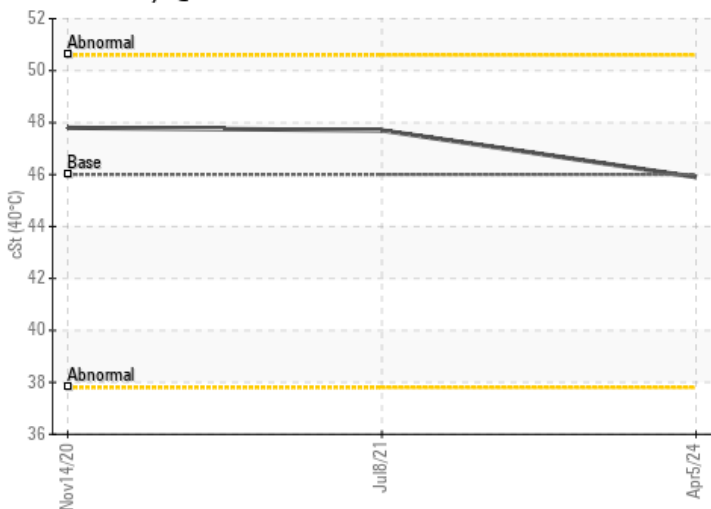
### Ferrous Alloys



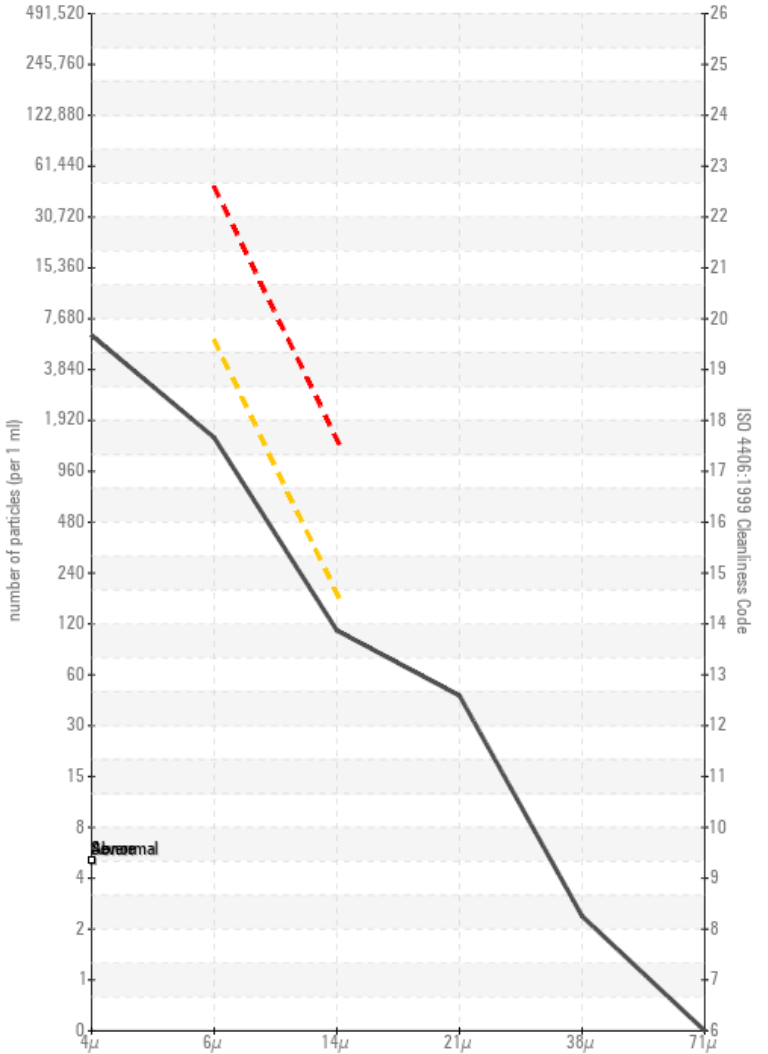
### Non-ferrous Metals



### Viscosity @ 40°C



### Particle Count



### Acid Number

